TI Process for preparing citalopram and intermediates therefor
IN Gao, Wei-Guo; Ikemoto, Tetsuya; Iki, Masami
PA Sumika Fine Chemicals Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

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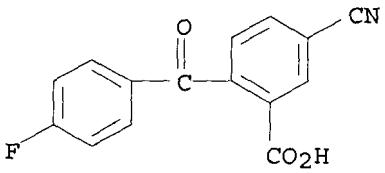
PI	JP 2002114770	A	20020416	JP 2000-302690	20001002
PRAI	JP 2000-302690		20001002		

OS CASREACT 136:309841; MARPAT 136:309841
AB Citalopram, a known antidepressant, was prepared in a multistep process. Thus, 6-carboxy-3-(4'-fluorophenyl)phthalide was converted in 3 steps to 6-cyano-3-(4'-fluorophenyl)phthalide (I). I was converted to 5-cyano-2-(4'-fluorobenzoyl)benzoic acid (II); reaction of II with 3-(dimethylamino)propylmagnesium chloride, followed by reduction, gave citalopram.
IT 411221-51-7P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparing citalopram and intermediates therefor)
RN 411221-51-7 CAPLUS
CN Benzoic acid, 5-cyano-2-(4-fluorobenzoyl)- (CA INDEX NAME)



METHOD OF PRODUCING CITALOPRAM, INTERMEDIATE THEREOF AND METHOD OF PRODUCING THE SAME

Bibliographic data | Original document | INPADOC legal status

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Applicant: SUMIKA FINE CHEMICALS CO LTD

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- international: ***C07D307/88; C07C253/30; C07C255/59; C07D307/87; C07C253/00; C07C255/00; C07D307/00;*** (IPC1-7): C07D307/88; C07C253/30; C07C255/59; C07D307/87
- European:
Application number: JP20000302690 20001002
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View list of citing documents

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Abstract of **JP2002114770**

PROBLEM TO BE SOLVED: To provide methods of safely and efficiently producing citalopram and an important synthetic intermediate therefor with a reduced environmental load. SOLUTION: The objective citalopram and a synthetic intermediate therefor are produced from 6-carboxy-3-(4'-fluorophenyl)phthalide in no need of any toxic reagent.